

# Atlantic Richfield Company

## Material Safety Data Sheet

Adapted from USDL form OSHA -20 - May 1972

MSDS

443

1828

Material Name

Soluble Oil DO

<b>Section I - General</b>		Manufacturer's name <b>Atlantic Richfield Company</b>		Specification Code <b>17376</b>	
Manufacturer's Address <b>515 South Flower Street, Los Angeles, California 90071</b>		Emergency Telephone (24 hr.) <b>312/468-9300</b>			
Name (Brand-Trade) and Synonyms <b>Not Applicable (N/A)</b>		Chemical Family <b>Lubricating Oil</b>			
<b>Section II - Summary of Hazardous Information</b>		Summary <b>CAUTION: SLIGHTLY COMBUSTIBLE. Use with adequate ventilation and avoid breathing high concentrations of mists or vapors. Avoid eye contact and prolonged or repeated skin contact.</b>			
TLV 5mg/m <sup>3</sup> (Source) oil mist particulate ACGIH 1975					
<b>Section III - Physical and Reactivity Data</b>		Boiling Point (F°) <b>*IBP 212 to &gt; 600</b>		Evaporation Rate (Ether = 1) <b>1</b>	
		Other <b>250 SUS/100°F Viscosity</b>			
Vapor Pressure (mm hg at 70°F) <b>0.1</b>		Incompatibility (materials to avoid) <b>Strong acids, alkalies, and oxidizers such as liquid chlorine and oxygen.</b>			
Vapor Density (air = 1 at 60-90°F) <b>10</b>		Stability <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable Conditions to Avoid: <b>Heat and open flame.</b>			
Specific Gravity (H <sub>2</sub> O = 1 at 39.2°F) <b>0.93</b>		Hazardous Polymerization May <input type="checkbox"/> Occur <input checked="" type="checkbox"/> Not Occur		Appearance and Odor <b>Dark liquid - pine odor</b>	
Volatile Characteristics <b>Negligible</b>		Hazardous Decomposition Products <b>Product may form carbon monoxide, carbon dioxide, and trace oxides and/or compounds of sodium, sulfur, and potassium.</b>			
Solubility in Water <b>See below *</b>					
<b>Section IV - Fire and Explosion Data</b>		Flash point (F°) <b>N/A*</b> (method used) <b>D92</b>		Flammable Limits (% by volume in air) <b>Lower Flammable Limit N/A Upper Flammable Limit N/A</b> (at normal atmos. temp. & press.)	
Autoignition Temperature (F°) <b>Approx. 700</b>		Extinguishing Media <b>Dry chemical, CO<sub>2</sub>, foam, and water fog</b>			
<b>Special Fire Fighting Procedures</b> For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment to avoid breathing normal products of combustion and oxygen deficiencies.  * Product contains small percentage of water. Emulsifiable in water with agitation.					
<b>Unusual Fire and Explosion Hazards</b>  Slightly combustible. When heated above the boiling point of the hydrocarbon components this material may release flammable vapors which can burn or be explosive in confined spaces and exposed to a source of ignition. Mists or sprays may be combustible at temperatures below the boiling point. Keep away from heat and open flames.					
<b>Section V - First Aid and Emergency Procedures</b>		Note to Physician <b>N/A</b>			
Eye Contact		Flush eyes with plenty of low pressure water.			
Skin Contact		Remove by wiping, wash skin with soap and plenty of water.			
Inhalation		Remove from contaminated area to fresh air.			
Ingestion		If large amounts of this material are ingested, give quantities of water, induce vomiting and get medical attention.			

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Section VI  
Health Hazard Data

## Primary Hazard

Skin disorder resulting from prolonged or repeated skin contact and lack of cleanliness

## Route of Exposure

## Affected

## Signs and Symptoms

Eye Contact

X

Eye irritation may result from mists or from contact with liquid.

Skin Irritation

X

Skin irritation leading to dermatitis may result from prolonged or repeated skin contact.

Inhalation

X

Inhalation of mist or vapors may cause respiratory irritation.

Ingestion

Skin Absorption

## Effects of Overexposure

Contact of the oil with eyes may result in slight eye irritation. Prolonged or repeated skin contact may cause skin irritation and dermatitis.

## Section VII

## Spill or Leak Procedure

## Precautions if Material is Spilled or Released

Remove all sources of ignition around spill area.  
Clean up spill as soon as possible.

## Waste Disposal Methods

Use absorbent material such as clay or diatomaceous earth to clean up spill. Dispose of contaminated material in an approved disposal site. Comply with Federal, State and local regulations concerning waste disposal into landfills.

Section VIII Special  
Protection Information

## Ventilation

Use adequate ventilation to keep oil mists of this material below applicable standard. (See Section II-TLV)

## Eye Protection

Chemical type goggles or face mask should be worn if splashing cannot be avoided.

## Skin Protection

Avoid prolonged or repeated skin contact. If skin contact cannot be avoided, proper skin protection should be worn. This may consist of oil impervious clothing such as gloves, apron, boots, and facial protection.

## Respiratory Protection

None needed under normal conditions with adequate ventilation. If exposure exceeds the TLV, respiratory protective equipment must be worn.

## Other Protection

Impervious aprons and sleeves should be worn provided they do not create an accident hazard. They should be kept clean by frequent washing.

## Section IX

## Special Precautions

## Handling and Storage

Store away from open flames.

## General Comments

Use good personal hygiene practices. In case of skin contact wash with soap and water. Avoid using solvents (gasoline, kerosene, etc.) and harsh abrasive skin cleaners. Oil soaked clothing should be removed and laundered before reuse.

Date Issued

November, 1976

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